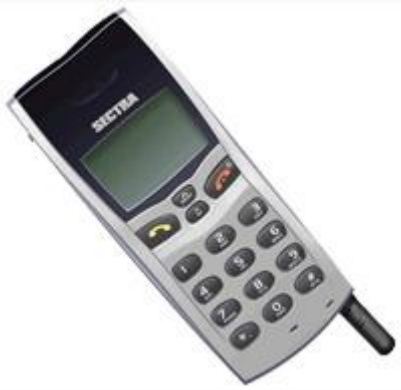
SECTRA Tiger 1



The Swedish SECTRA Tiger 1 (Encrypted Mobile Telephone 710) is a secure communication system for encrypted GSM and DECT telephone traffic. The phone fulfills the security requirements for a secure communication system handling classified information up to and including CONFIDENTIEL UE/EU CONFIDENTIAL.

The high level of communication security offered by the SECTRA Tiger 1 is based primarily on two things: strong encryption algorithms and secret encryption keys. The encryption algorithms are built into the telephone. The secret encryption keys must however be added.

The SECTRA Tiger 1 ensures desired protection against unauthorized access (confidentiality) and alteration (integrity) and that the communication system is available and functioning (availability). In order to achieve this, action is taken in order to:

- thwart theft or copying of encryption keys,
- thwart manipulation or misappropriation of SECTRA Tiger 1 devices and,
- hinder interception of unintentional signals (TEMPEST) at telecommunication systems and information systems connected to the SECTRA Tiger 1 equipment.

Encryption is done end-to-end between two telephones (as opposed to a normal GSM/DECT telephone where encryption only occurs between the telephone and the base station).

The encryption key is read from a smart card.

The system includes a key distribution server. Its task is to distribute encryption keys electronically in a secure manner to the communicating parties.

Using the built-in infrared interface (IrDA), a computer can be connected, which enables encrypted file transfers between two telephones (computers) with a bit rate of 9600 bits/second.

The telephone can receive and send encrypted SMSs (text messages) which can be up to 81 characters in length.

The SECTRA Tiger 1 can be used as a normal GSM telephone for plaintext conversations.

The phone can be connected to a handsfree unit and to a car charger.

- EU Classification: Up to and including **CONFIDENTIEL UE/EU CONFIDENTIAL**
- Manufacturer: Sectra AB
- National Evaluator:Totalförsvarets Signalskyddssamordning (TSA)
- Second Party Evaluator: Netherlands National Communications Security Agency